

Y33

- CONTROLLERS FOR REFRIGERATING UNITS
- SENSITIVE-TOUCH KEYBOARD
- ENERGY SAVING FUNCTIONS
- RELAY 30A 2HP



FEATURES

DISPLAY	Y33
Single	3 red or blue digit, h 15.5 mm
INPUTS	
Three	3x PTC KTY 81-121 (990Ω at 25°C) -50... +150°C (-58... +302°F) or 3x NTC 103AT-2 (10kΩ at 25°C) -50... +109°C (-58... +228°F) or 3x Pt1000 (1000Ω at 0°C) -99.9... +500°C (-148... +932°F)
Digital input	1 digital input for free voltage contacts as alternative to input 3
Accuracy	± 0.5 % fs + 1 digit
OUTPUTS	
Up to three	OUT1: Relay SPST-NO (30A 2HP 250V, 1HP 125 Vac); EN 61810: 30 (15) A - EN 60730: 14 (14) A - - UL 60730: 14 A Res., 96 LRA, 16 FLA OUT2: Relay SPDT (8A, 1/2HP 250Vac, 1/3HP 125Vac); EN 61810: 8 (3) A - EN 60730: 8 (4) A - UL 60730: 10 A Res. OUT3: Relay SPST-NO (5A - 1/10HP 125/250 Vac); EN 61810: 5 (1) A - EN 60730: 2 (1) A - UL 60730: 2 A Gen. use 16A max.(12A for plug-in version) for common relay 1 and 3 (term. 3)
Relay operations	100000 operations
FUNCTIONAL	
Control	ON/OFF
Acoustic alarm	Internal Buzzer (optional)
Defrosting control	At intervals time, at reaching temperature by stopping compressor, by electrical heating or hot gas/reverse cycle
Energy Saving functions	Available
GENERAL	
Power supply	12... 24 Vac/Vdc, 115 Vac, 230 Vac ±10% (50/60 Hz)
Power consumption	3.5 VA approx.
Dimensions / Weight	78 x 35 mm - depth 64 mm or 75.5 mm with plug-in terminals / 190 g approx.
Keyboard	Mechanical or "Sensitive Touch"
Connections	Screw terminal block 2.5 mm ² or plug-in connector with screw terminals 2.5 mm ²
Mounting	Flush in panel in 71 x 29 mm hole
Front protection degree	IP65, mounted in panel with gasket
Operating / storage temperature	0... +50°C (32... +122°F) / -25... +60°C (-13... +140°F)
Operating humidity	30... 95 RH% without condensation
Conformity	Directive 2004/108/CE (EN55022: class B; EN61000-4-2: 8KV air, 4KV cont.; EN61000-4-3: 10V/m; EN61000-4-4: 2KV supply, inputs, outputs; EN61000-4-5: supply 2KV com. mode, 1 KV diff. mode; EN61000-4-6: 3V), 2006/95/CE (EN 60730-1, EN 60730-2-7, EN 60730-2-9). Regulation 37/2005/CE (EN13485 air, S, A, 2, - 50°C +90°C wheter used with NTC 103AT11 probe)

HOW TO ORDER

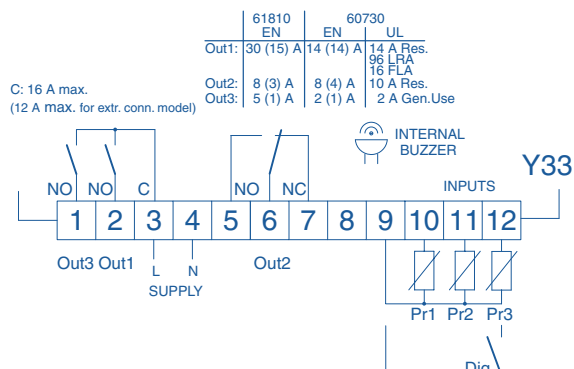
To compose the part number, pls. choose one of the option for each variable

Y33	CODE
KEYBOARD	
Mechanical	-
Sensitive-Touch (*)	S
POWER SUPPLY	
115 Vac	C
230 Vac	D
12... 24 Vac/Vdc	G
OUT 1	
Relay SPST-NO 30A	R
OUT 2	
Relay SPDT 8A-AC1	R
Not available	-
OUT 3	
Relay SPST 5A-AC1	R
Non prevista	-
BUZZER (INTERNAL)	
Available	B
Not available	-
CONNECTION	
Plug-in screw type	E
Plug-in screw type, fix part only	N
Fix screw type (standard)	-
DISPLAY	
Blue	B
Red (standard)	-

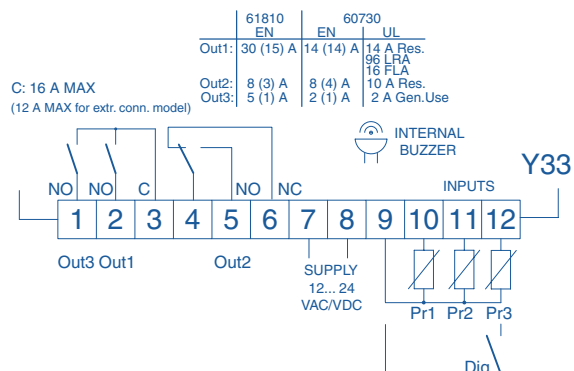
(*) Capacitive Touch screen keyboard

CONNECTIONS

Y33 - SUPPLY 115 AND 230 V

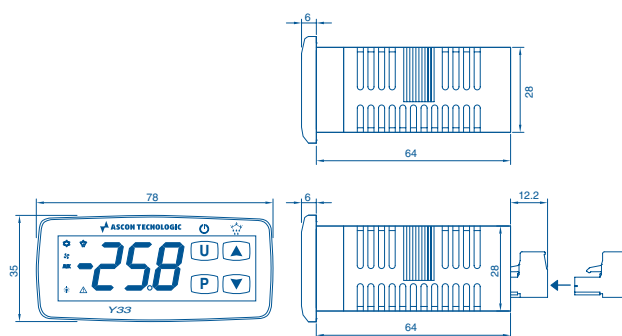


Y33 - SUPPLY 12...24 VAC/VDC



DIMENSIONS

Y33



The dimensions are expressed in mm